WEIGHTS OF MATERIALS*
(all weights in psf)

Roofing	weight
3 ply built up w/gravel	5.5
asphalt/comp shingles	2.5
wood shake/shingles (1")	3.0
concrete tile	per ICBO
2-15# and 1-90# built up	1.7
slate (1/4")	10.0
Insulation	
expanded polystyrene (1" thick)	0.2
fiberglass, rigid:	
R-30	2.0
R-19	1.5
fiberglass, batt:	
R-30	0.5
R-19	0.3
Loose (1" thick)	0.5
Ceiling	
plaster (1") on lath	10.0
acoustical fiber tile	1.0
channel suspended ceiling	1.0
Sheathing	
1/2" gypsum board	2.2
5/8" gypsum board	2.8
3/8" plywood	1.1
1/2" plywood	1.5
5/8" plywood	1.8
3/4" plywood	2.3
1 1/8" plywood	3.4
Decking	
1" DF-L decking	2.3
2" DF-L decking	4.5
corrugated galvanized steel:	
12 ga.	4.9
16 ga.	2.9
20 ga.	1.8
24 ga.	1.3

Sprinkler Systems	weight
single family residential	2.0
multifamily residential	2.5
commercial	3.0
Floors	
linoleum	1.0
carpeting	1.5
quarry or ceramic tile (3/4")	10.0
w/ 1/2" mortar bed	16.0
w/ 1" mortar bed	22.0
concrete:	
regular (1")	12.5
lightweight (1 1/2")	13.0
hardwood (1" nom.)	4.0
Walls	
stucco (7/8")	10.0
glass block (4")	18.0
brick (4")	38.0
solid grouted concrete block:	
6"	63.0
8"	84.0
12"	133.0
ungrouted concrete block:	
6"	37.0
8"	42.0
12"	62.0

Douglas Fir Framing Members (based on 35 pcf)

nominal size	joist spacing 12" o.c.	16" o.c.	24" o.c.
2x4	1.3	1.0	0.7
2x6	2.1	1.6	1.0
2x8	2.7	2.1	1.4
2x10	3.5	2.6	1.7
2x12	4.3	3.2	2.1
4x6	4.9	3.7	2.5
4x8	6.4	4.8	3.2
4x10	8.2	6.1	4.1
4x12	9.9	7.4	5.0

* The "weight" chart has been assembled as a guide to promote plan check uniformity. It is not intended to be all-inclusive or a substitute for good judgement. Values for specific products, when documented, should take precedence.